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NATIONAL ADVISORY COMMITTEE
FOR AERONAUTICS

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M.L. 271 (Monthly list of documents released by the NACA during October 1949)

Libraries in most of the important cities throughout the country, as well as libraries of schools, manufacturers, and other organizations dealing with aeronautics, are supplied copies of these publications for reference.

TECHNICAL NOTES

- TN 1938 Mechanisms of Failure of High Nickel-Alloy Turbojet Combustion Liners.
 By: John W. Weeton.
- TN 1945 Aerodynamic Characteristics of 15 NACA Airfoil Sections at Seven Reynolds Numbers from 0.7×10^6 to 9.0×10^6 .
 By: Laurence K. Loftin, Jr. and Hamilton A. Smith.
- TN 1954 Experimental and Theoretical Distribution of Flow Produced by Inlet Guide Vanes of an Axial-Flow Compressor.
 By: Harold B. Finger, Harold J. Schum, and Howard A. Buckner, Jr.
- TN 1955 Preliminary Investigation at Supersonic Speeds of Triangular and Sweptback Wings.
 By: Macon C. Ellis, Jr., and Lowell E. Hasel.
- TN 1956 Equilibrium Operating Performance of Axial-Flow Turbojet Engines by Means of Idealized Analysis.
 By: John C. Sanders and Edward C. Chapin.
- TN 1957 Direct Method of Design and Stress Analysis of Rotating Disks with Temperature Gradient.
 By: S. S. Manson.
- TN 1958 Analysis of Ejector Thrust by Integration of Calculated Surface Pressures.
 By: John C. Sanders and Virginia L. Brightwell.
- TN 1959 Gust-Tunnel Investigation of a Flexible-Wing Model with Semichord Line Swept Back 45° .
 By: Thomas D. Reisert.
- TN 1960 An Evaluation of the Use of Ground Radar for Avoiding Severe Turbulence Associated with Thunderstorms.
 By: J. K. Thompson and V. W. Lipscomb.

- TN 1961 Investigations Relating to the Extension of Laminar Flow by Means of Boundary-Layer Suction through Slots.
By: Laurence K. Loftin, Jr., and Dale L. Burrows.
- TN 1962 Stresses in and General Instability of Monocoque Cylinders with Cutouts. VII - Experimental Investigation of Cylinders Having Either Long Bottom Cutouts or Series of Side Cutouts.
By: N. J. Hoff, Bruno A. Boley, and Joseph J. Mele.
- TN 1963 Stresses in and General Instability of Monocoque Cylinders with Cutouts. VIII - Calculation of the Buckling Load of Cylinders with Long Symmetric Cutout Subjected to Pure Bending.
By: N. J. Hoff, Bruno A. Boley, and Mervin W. Mandel.
- TN 1964 Method for Determining the Frequency-Response Characteristics of an Element or System from the System Transient Output Response to a Known Input Function.
By: Howard J. Curfman, Jr. and Robert A. Gardiner.
- TN 1965 Two Matrix Methods for Calculating Forcing Functions from Known Responses.
By: Bernard Mazelsky and Franklin W. Diederich.
- TN 1969 Comparative Drag Measurements at Transonic Speeds of Rectangular and Sweptback NACA 65-009 Airfoils Mounted on a Freely Falling Body.
By: Charles W. Mathews and Jim Rogers Thompson.
- TN 1970 Methods of Designing Cascade Blades with Prescribed Velocity Distributions in Compressible Potential Flows.
By: George R. Costello.
- TN 1971 Plastic Buckling of Extruded Composite Sections in Compression.
By: Elbridge Z. Stowell and Richard A. Pride.
- TN 1972 Critical Shear Stress of a Curved Rectangular Panel with a Central Stiffener.
By: Manuel Stein and David J. Yaeger.
- TN 1973 Theoretical Spanwise Lift Distributions of Low-Aspect-Ratio Wings at Speeds Below and Above the Speed of Sound.
By: Franklin W. Diederich and Martin Zlotnick.
- TN 1974 Effect of Open Circular Holes on Tensile Strength and Elongation of Sheet Specimens of Some Aluminum Alloys.
By: H. N. Hill and R. S. Barker.

- TN 1975 Experimental Investigation of Temperature Recovery Factors on Bodies of Revolution at Supersonic Speeds.
By: William R. Wimbrow.
- TN 1985 Elastic Buckling of Outstanding Flanges Clamped at One Edge and Reinforced by Bulbs at Other Edge.
By: Stanley Goodman.

REPORTS

- Rept. 869 Isolated and Cascade Airfoils with Prescribed Velocity Distribution.
By: Arthur W. Goldstein and Meyer Jerison.
Formerly issued as TN 1308.
- Rept. 875 Application of the Analogy between Water Flow with a Free Surface and Two-Dimensional Compressible Gas Flow.
By: W. James Orlin, Norman J. Lindner, and Jack G. Bitterly.
Formerly issued as TN 1185.
- Rept. 881 Effect of Combustor-Inlet Conditions on Performance of an Annular Turbojet Combustor.
By: J. Howard Childs, Richard J. McCafferty, and Oakley W. Surine.
Formerly issued as TN 1357.
- Rept. 882 Frequency-Response Method for Determination of Dynamic Stability Characteristics of Airplanes with Automatic Controls.
By: Harry Greenberg.
Formerly issued as TN 1229.
- Rept. 913 Experiments on Stability of Bunsen-Burner Flames for Turbulent Flow.
By: Lowell M. Bollinger and David T. Williams.
Formerly issued as TN 1234.
- Rept. 916 Correlation of the Drag Characteristics of a Typical Pursuit Airplane Obtained from High-Speed Wind-Tunnel and Flight Tests.
By: James M. Nissen, Burnett L. Gadeberg, and William T. Hamilton.
Formerly issued as ACR 4K02.

TECHNICAL MEMORANDUMS

- TM 1197 Investigations on the Stability, Oscillation, and Stress Conditions of Airplanes with Tab Control. First Partial Report - Derivation of the Equations of Motion and Their General Solutions.
By: B. Filzek.

TM 1236 A Class of de Laval Nozzles.
By: S. V. Falkovich.



TM 1239 Two-Dimensional Motion of a Gas at Large Supersonic Velocities.
By: S. V. Falkovich.

TM 1245 Lift Force of an Arrow-Shaped Wing.
By: M. I. Gurevich.